



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10**

1200 Sixth Avenue, Suite 900
Seattle, Washington 98101-3140

JUL 10 2013

OFFICE OF
COMPLIANCE AND ENFORCEMENT

Reply To: OCE-082

Lukas Reyes
Utilities Superintendent
The Consolidated Borough of Quil Ceda Village
8802 27th Avenue NE
Tulalip, Washington 98271-9694

Re: Authorization by Rule of 19 Injection Wells at Quil Ceda Village for Disposal of Wastewater
Treatment Plant Effluent
UIC ID # WA123T5-99-90091

Dear Mr. Reyes:

On March 7, 2013, the U.S. Environmental Protection Agency (EPA), Region 10, received a request from the Consolidated Borough of Quil Ceda Village to reauthorize use of 19 injection wells for disposal of wastewater treatment plant effluent from the Quil Ceda Village Wastewater Treatment Plant. In addition to the March 2013 reauthorization request letter, the Consolidated Borough of Quil Ceda Village also submitted an updated effluent (injectate) sampling and analysis plan that was received by the EPA on May 30, 2013. The 19 injection wells were previously authorized by rule on March 17, 2003 and February 7, 2008. Information about the injection system was received by the EPA through inventory submittals and supporting information submitted by the Consolidated Borough of Quil Ceda Village in 2002, 2003, 2005, 2006, 2007, 2008, and 2013.

The information the Consolidated Borough of Quil Ceda Village has submitted to the EPA about these injection wells is summarized as follows:

- The injection well system is approximately 4000 feet long and it is located along the east side of Quil Ceda Boulevard, between 93rd Street Northeast and 110th Street Northeast. The well system consists of 19 identical injection well sections. Each well section is 250 feet long and 5 feet wide, with 10 individual discharge points located 25 feet apart. Each discharge point consists of a 10-foot-long perforated pipe located approximately 2 feet below the ground surface. The treated effluent is injected underground through the discharge point perforated pipes. Flow to each of the 19 well sections is controlled via a vault and each discharge point has an individual valve for controlling flow. The well sections can be operated independently of each other so that any combination of the 19 wells can operate at any given time.
- The injection wells dispose of up to 9,125,000 gallons per month (average of 300,000 gallons per day) of the treated wastewater effluent from the Quil Ceda Village Wastewater Treatment Plant.

- The Quil Ceda Village Wastewater Treatment Plant utilizes membrane bioreactor (MBR) treatment and UV disinfection to treat sanitary waste generated by Quil Ceda Village businesses and the casino prior to disposal via underground injection. The treatment plant is designed to produce effluent that meets federal drinking water standards.
- The Consolidated Borough of Quil Ceda Village has been implementing and will continue to implement an effluent (injectate) monitoring plan designed to determine if the effluent meets federal drinking water standards prior to injection.
- A network of monitoring wells exists throughout the village. The Consolidated Borough of Quil Ceda Village regularly measures depth to groundwater in the monitoring wells to evaluate mounding effects from the injection activities and/or regional or seasonal changes in groundwater levels. Each quarter samples are collected from the monitoring wells co-located with the three most heavily used injection wells for analyses of water quality parameters as specified in the monitoring plan.
- Contingency plans exist for management of the effluent in the event that the treatment system does not produce effluent that meets drinking water standards.


The EPA hereby authorizes by rule 19 Class V injection wells for disposal of treated wastewater effluent pursuant to the specifications proposed by the Consolidated Borough of Quil Ceda Village in the inventory submittals and supporting information summarized above. The 19 wastewater treatment plant effluent disposal wells at Quil Ceda Village are recorded in the UIC inventory of injection wells under the new UIC facility identification number WA123T5-99-90091. The Consolidated Borough of Quil Ceda Village is responsible to meet all applicable UIC requirements under the Safe Drinking Water Act. All future correspondence related to these injection wells should include a reference to the new assigned UIC facility identification number.

Any unauthorized discharges, including accidental spills, into the injection wells must be reported within twenty-four (24) hours of the event. Should any conditions change in the operation of these injection wells, the Consolidated Borough of Quil Ceda Village is required to notify the EPA's Region 10 office within seven (7) days. All reporting and notifications should be addressed to:

U. S. Environmental Protection Agency Region 10
Underground Injection Control Program
1200 Sixth Avenue, Suite 900, OCE-082
Seattle, Washington 98101

If you have any questions, please contact Jennifer Parker of my staff at (206) 553-1900.

Sincerely,


 Peter Contreras, Manager
 Ground Water Unit

Lukas Reyes
Utilities Superintendent
The Consolidated Borough of Quil Ceda Village
8802 27th Avenue NE
Tulalip, Washington 98271-9694

Re: Authorization by Rule of Nineteen Injection Wells at Quil Ceda Village for Disposal of
Wastewater Treatment Plant Effluent
UIC ID # WA123T5-99-90091

Dear Mr. Reyes:

On March 7, 2013, the U.S. Environmental Protection Agency (EPA), Region 10, received a request from the Consolidated Borough of Quil Ceda Village to reauthorize use of nineteen injection wells for disposal of wastewater treatment plant effluent from the Quil Ceda Village Wastewater Treatment Plant. In addition to the March 2013 reauthorization request letter, the Consolidated Borough of Quil Ceda Village also submitted an updated effluent (injectate) sampling and analysis plan that was received by the EPA on May 30, 2013. The nineteen injection wells were previously authorized by rule on March 17, 2003 and February 7, 2008. Information about the injection system was received by the EPA through inventory submittals and supporting information submitted by the Consolidated Borough of Quil Ceda Village in 2002, 2003, 2005, 2006, 2007, 2008, and 2013.

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If you have any questions, please contact Jennifer Parker of my staff at (206) 553-1900.

Sincerely,

Peter Contreras, Manager
Ground Water Unit

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CONCURRENCES				
Name	J. Parker			
Date	7/9/13			
Initial	JP			